

Abstract

A method and a system for determining the point of engagement of a clutch (MSK) of a motor vehicle operable via an actuating device, in particular of a clutch situated in a transfer case of a motor vehicle having all-wheel drive, the actuating device having a positioning motor (GM) which is electrically drivable, the output of the positioning motor providing a motor torque and a motor speed, and the motor being operationally linked to an actuating mechanism (102, 103, 104) which actuates the clutch (MSK) and being operable via a control unit (508). It is provided that, to determine the point of engagement, a constant voltage is applied to the positioning motor (GM) in a first operating mode and, at the same time, the motor speed is detected as a function of the rotational angle position and in particular additionally the motor current is detected as a function of the rotational angle position, and/or a constant current is applied to the positioning motor (GM) in a second operating mode and the motor speed is detected as a function of the rotational angle position; and the point of engagement is determined from the detected values of the motor speed, that are a function of the rotational angle position, and, in particular, in addition, from the values of the motor current.

Figure 1